

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (ORIGINAL) A rice seed designated RH103, wherein a representative sample of said seed has been deposited under ATCC Accession No. _____.
2. (CURRENTLY AMENDED) A rice plant, or ~~parts~~ a part thereof, produced by growing the seed of claim 1.
3. (ORIGINAL) Pollen of the plant of claim 2.
4. (ORIGINAL) An ovule of the plant of claim 2.
5. (CURRENTLY AMENDED) A rice plant, or ~~parts~~ a part thereof, having all of the physiological and morphological characteristics of the rice plant of claim 2.
6. (CURRENTLY AMENDED) Tissue A tissue culture of regenerable cells or protoplasts produced from the rice plant of claim 2.
7. (CURRENTLY AMENDED) The tissue culture of claim 6 wherein the cells or protoplasts of the tissue culture ~~being~~ are produced from a tissue selected from the group consisting of embryos, meristematic cells, pollen, leaves, anthers, roots, root tips, flowers, seeds, and stems.
8. (CURRENTLY AMENDED) A rice plant regenerated from the tissue culture of claim 7, wherein said plant has all the physiological and morphological characteristics of the rice plant grown from rice seed designated RH103.
9. (CURRENTLY AMENDED) A method for producing a rice seed ~~comprising~~ wherein the method comprises crossing a first parent rice plant with a second parent rice plant and harvesting the resultant hybrid rice seed, wherein said first parent rice plant or second parent rice plant is the rice plant of claim 2.
10. – 21. (CANCELED)
22. (NEW) A method of producing an herbicide resistant rice plant wherein the method comprises transforming the rice plant of claim 2 with a transgene that confers herbicide resistance.

23. (NEW) An herbicide resistant rice plant produced by the method of claim 22.
24. (NEW) A method of producing an insect resistant rice plant wherein the method comprises transforming the rice plant of claim 2 with a transgene that confers insect resistance.
25. (NEW) An insect resistant rice plant produced by the method of claim 24.
26. (NEW) A method of producing a disease resistant rice plant wherein the method comprises transforming the rice plant of claim 2 with a transgene that confers disease resistance.
27. (NEW) A disease resistant rice plant produced by the method of claim 26.
28. (NEW) A method of producing a rice plant with modified fatty acid or carbohydrate metabolism wherein the method comprises transforming the rice plant of claim 2 with one or more transgenes encoding a protein selected from the group consisting of fructosyltransferase, levansucrase, alpha-amylase, invertase and starch branching enzyme or encoding an antisense of stearyl-ACP desaturase.
29. (NEW) A rice plant produced by the method of claim 28.
30. (NEW) A method of introducing a desired trait into rice hybrid RH103 wherein the method comprises:
 - (a) crossing the RH103 plants, representative seed deposited under ATCC Accession No. PTA-_____, with plants of another rice line that comprise a desired trait to produce F1 progeny plants, wherein the desired trait is selected from the group consisting of male sterility, herbicide resistance, insect resistance and resistance to bacterial, fungal or viral disease;
 - (b) selecting F1 progeny plants that have the desired trait to produce selected F1 progeny plants;
 - (c) crossing the selected F1 progeny plants with the RH103 plants to produce first backcross progeny plants;

- (d) selecting for first backcross progeny plants that have the desired trait and physiological and morphological characteristics of rice hybrid RH103 to produce selected first backcross progeny plants; and
- (e) repeating steps (c) and (d) two or more times in succession to produce selected second or higher backcross progeny plants that comprise the desired trait and all of the physiological and morphological characteristics of rice hybrid RH103 as described in the VARIETY DESCRIPTION INFORMATION and as determined at a 5% significance level when grown in the same environmental conditions.

31. (NEW) A plant produced by the method of claim 30, wherein the plant has the desired trait and all of the physiological and morphological characteristics of rice hybrid RH103 as described in the VARIETY DESCRIPTION INFORMATION and as determined at a 5% significance level when grown in the same environmental conditions.